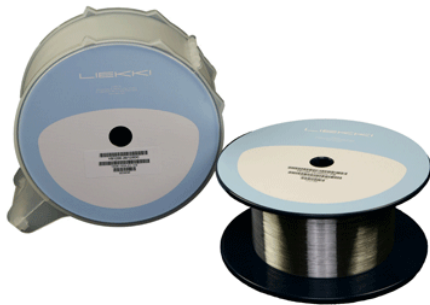


LIEKKI™ Yb1200-4/125

Single Mode Ytterbium Doped Fiber



LIEKKI™ Yb1200-4/125 fibers are highly doped single mode ytterbium fibers for low-noise, low-nonlinearity preamplifiers and lasers. Their telcom-like geometry makes them compatible with low-cost pump diodes and standard single mode passive fibers. They make an excellent preamplifier in a fiber amplifier chain with double cladding fiber acting as power amplifier.

Applications

- Low-power, low-noise preamplifiers
- ASE sources
- CW and pulsed lasers and amplifiers

Features

- Very short application lengths
- Low nonlinear effects
- Low photodarkening
- Telcom-like geometry
- Good spliceability to HI1060 single mode fibers
- Telcom grade dual layer UV-cured acrylate coating

Typical device specification

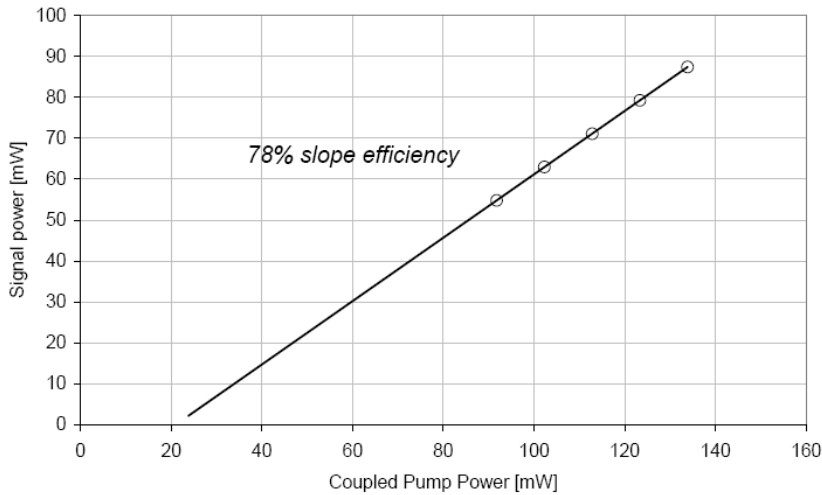
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Optical

Mode field diameter at 1060 nm	μm	4.4 ± 0.8
Peak core absorption at 976 nm (nominal)	dB/m	(1200)
Core absorption at 920 nm	dB/m	(280)
Core numerical aperture (nominal)		0.2
Cut-off wavelength	nm	1010 ± 70

Geometrical and mechanical

Core concentricity error	μm	< 0.7
Cladding diameter	μm	125 ± 2
Cladding geometry		round
Coating diameter	μm	245 ± 15
Coating material		high index acrylate
Cladding numerical aperture		> 0.46
Proof test	kpsi	> 100

Typical performance data**Notice**

nLIGHT continually improves its products to provide its customers with outstanding quality and reliability. nLIGHT may make changes to specifications and product descriptions at any time, without notice. In addition, nLIGHT offers a limited warranty to ensure customer satisfaction. For complete details, please contact your nLIGHT sales representative.